



**The Leader in Pedestrian Control Systems
Waist & Full Height Turnstiles and Matching Gates**

HS336 Series Full Height ADA Gate

Service & Installation Manual



Note: Successful installation depends on reading this manual.

Important Note: Please keep this service manual after installation. If an installation is done by a construction company or outside installer, please pass this book along to the end user.

The High-Security Series

Manual or Electronic Passage Gate • Interior & Exterior Application

HS336-ADA



The Truly "Custom" ADA Gate

Our HS336-ADA is our ADA solution to perimeter security. This self-closing, heavy duty swing gate provides a wheelchair accessible 36" passage width (with an overall width of 43"). Its low voltage strike lock can be used mechanically or electronically depending on your needs. It is available in all of our standard finishes including stainless steel (304 or 316), carbon steel with powder coating, or hot-dipped galvanized, to match our turnstiles perfectly. Your choice of standard vertical bars or reach prevention mesh allows for a custom experience. A treadplate walkway adds additional rigidity and helps in preventing installation mishaps.



Hydraulic door closer included with gate. Power Door Opener is available for additional charge.



Full exit push-bar, guard and mesh should be used for Free Exit situations.

Push-bar not available without mesh.



HS336 (stainless steel)

**All models available in stainless steel, powder coat or galvanized.*

HS336 - Front
(powder coat
with mesh)



HS336 - Back
(stainless steel
with mesh)



We're the #1 Choice of Top Architects, Security Pros and Engineers

For two decades, Controlled Access has been the globally trusted name in pedestrian control equipment. Made in Ohio and shipped worldwide, we are the first choice of leading architects, facility managers, security consultants and engineers. Whether your project requires high security full-height turnstiles, waist-high units, or matching ADA accessible gates, Controlled Access is the secure choice. And, we're experienced in access control systems, from card readers to biometric scanning, to give you the power to control access.



CA CONTROLLED ACCESS, INC.

The Leader in Pedestrian Access Control

1636 West 130th Street | Brunswick, Ohio 44212 | Ph: 330.273.6185 | Fax: 330.273.4468 | Toll-Free Ph: 800.942.0829 | Toll-Free Fax: 800.942.0828

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The High-Security Series

Manual or Electronic Passage Gate • Interior & Exterior Application

HS336-ADA



Applications:

Ideal for controlling orderly flow of foot traffic in both indoor and outdoor settings (matching gate to our High-Security Full-Height Single and Tandem Turnstiles)

Product Features:

Materials and Finishes available in your choice of:

- Hot dipped galvanized carbon steel
- Carbon steel with powder coating (standard color is black/ other colors available upon request)
- Our signature 304 Stainless steel/ No. 4 satin finish

Design & Construction:

- Designed for secure operation with aesthetics in mind
- Featuring fully welded exterior components
- Minimal exposed hardware
- Heavy gauge materials meeting ASTM standards

Installation Methods:

- Core drilling of frame posts (preferred)
- 1/2" concrete anchors from tread plate (requires removing core legs from frame)

Operation:

- Field reversible electronic strike (24VDC) can be set to lock or open on power failure
- Gate can also be unlocked with no power by configuring the strike to fail lock and using a key
- Gate automatically swings closed with standard hydraulic door closer
- Voltage for electronic strike can be taken from nearby turnstile power supply

Options:

- Reach prevention mesh
- Panic bar with mesh for free exit
- Magnetic lock (replaces strike)
- Motorized gate opener (requires 110VAC, adds 3" to overall height of gate)
- Push buttons (Wired or wireless)
- Variable passage widths (up to 40")
- Additional options available upon request

Measures:

HS336-ADA

Size of opening (pedestrian clearance)

HS336-ADA 36" (914mm)

Frame

2" x 3" (51mm x 76.2mm) 11 gauge box tubing

Swing Gate

2" x 2" (51mm x 51mm) 11 gauge box tubing

Exterior Height

91" (2331mm)

Interior Height

87.872" (2230mm)

Available Door Filler Materials

1 1/2" Diameter 14 gauge (38mm)

1 3/4" Diameter 14 gauge (44mm)

3/4" #9 Expanded Metal Mesh (Flattened)

Standard Hardware:

Door Closer:

Norton 9300 Series with Aluminum Finish

Deadlock:

Adams Rite 4510 Series with 31/32" Backset

Strike:

Adams Rite 7100 Series Electronic Strike, 24VDC

Cylinder:

Schlage C keyway - standard

SFIC available

Optional Hardware:

Door Opener:

Norton 5730 Low Energy Operator, Aluminum

Push to Exit Panic Bar:

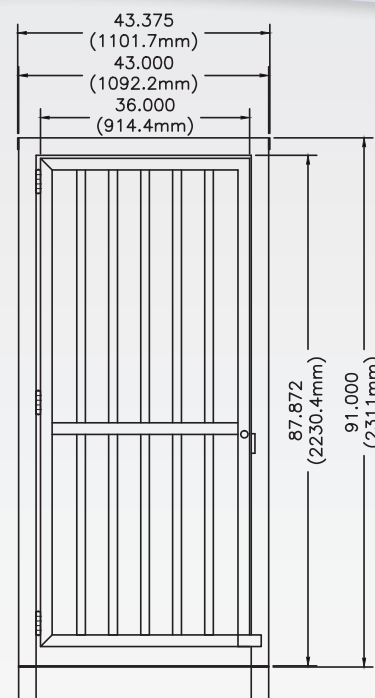
Adams Rite 8400 Exit Device, Aluminum

We can source additional custom hardware choices. Please provide your required specs for a quotation.

Matching Full-Height Turnstiles Available in Single (HS427-S, HS430-S, HS439-S, HS448-S) and Tandem (HS427-T, HS430-T) Designs.

Warranty:

Units are warranted against defects in materials and workmanship for a period of one year from date of delivery. See warranty information for specific details.



Dimensions are approximate.

Electrical Specifications:

UL Listed Electronic Strike:

Input Voltage: 24VDC

Input Current: 170 mA

Standards and Codes:

Austenitic stainless steel:
ASTM A240, A249, A276

Hot rolled steel:

AISI C-1020, AISI C-1018

Hot dipped galvanizing:

ASTM A-143, ASTM A-153-80

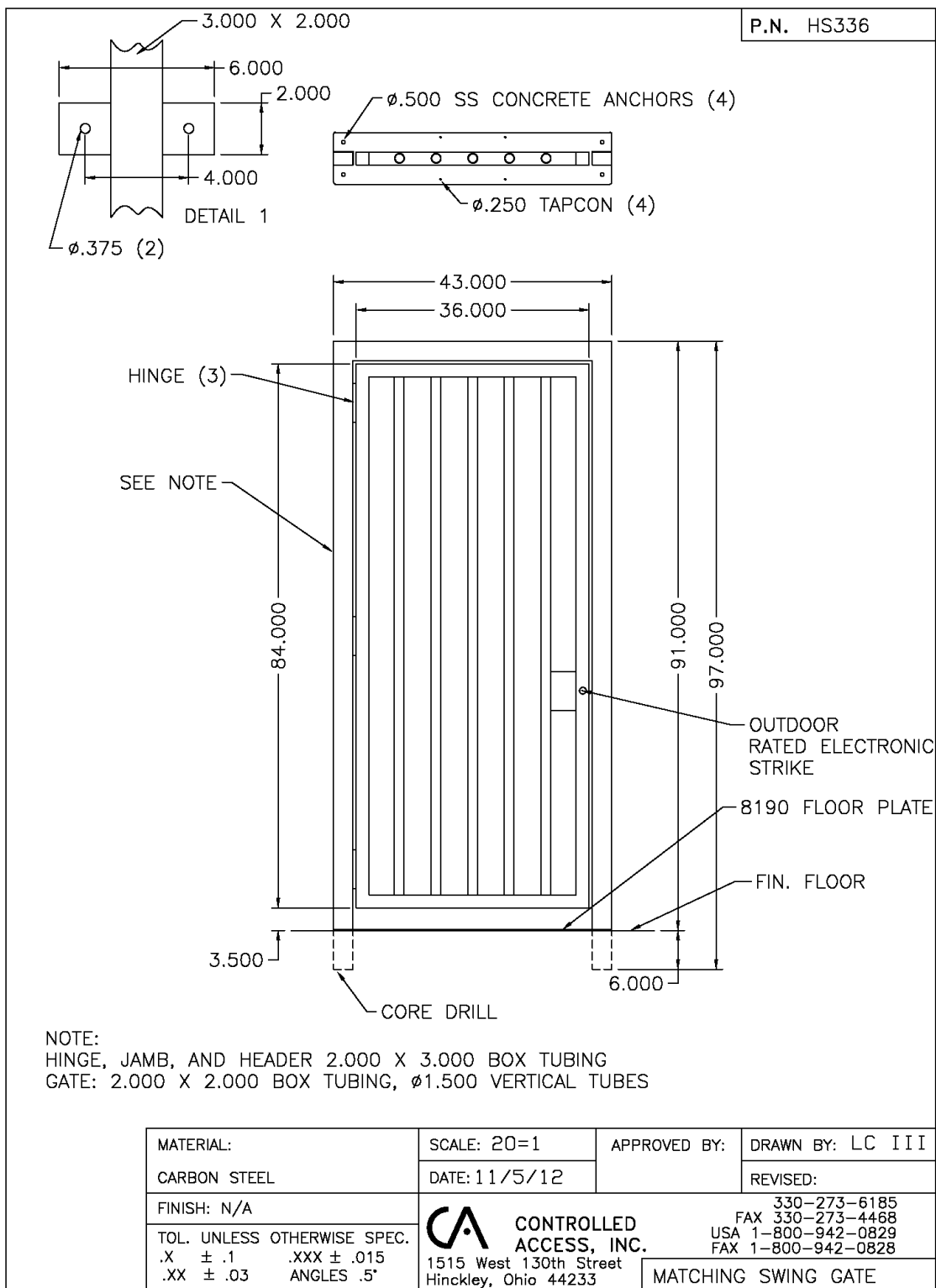
Stainless steel fasteners:

ASTM A-320

American Welding Society (AWS)
Standard D 1.1



Controlled Access, Inc. is
a registered ISO 9001:2008
company



Pre-installation Tips for the HS336 Full Height ADA Gate

Before installing the HS336 ADA Gate, make sure to review these pre-installation tips to ensure a successful installation.

Before you get started:

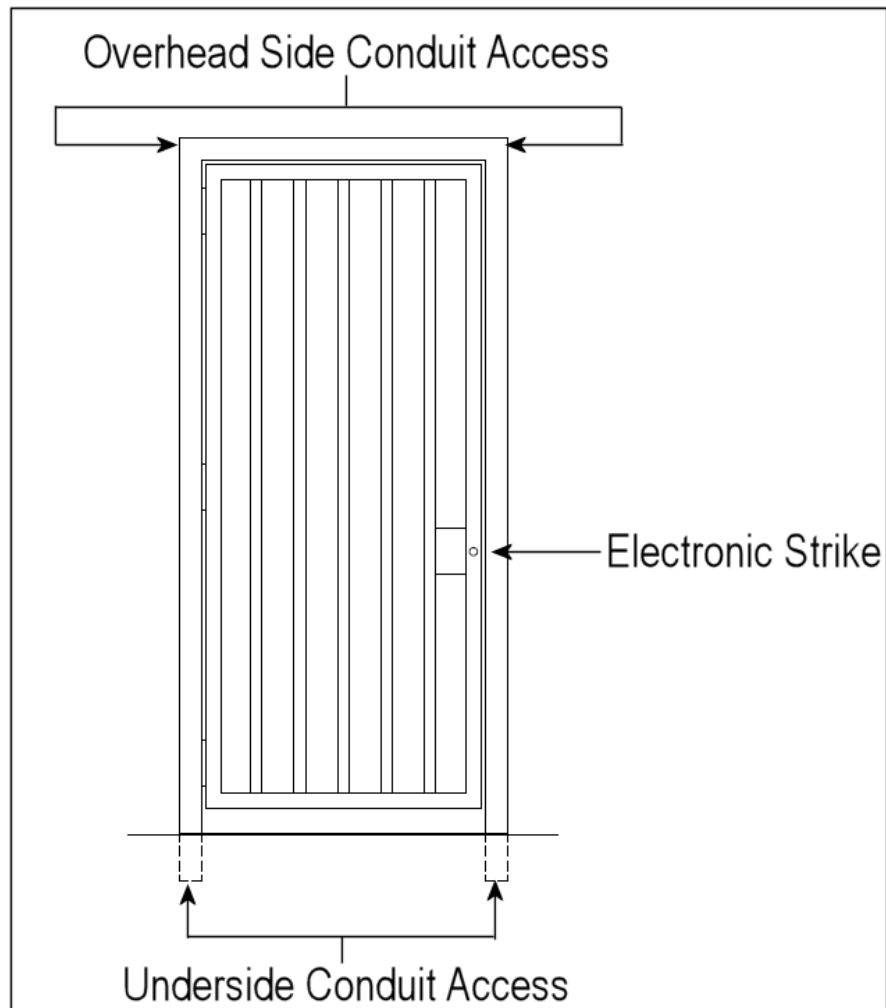
- We recommend core drilling to install the HS336 gate. Should you decide not to core drill, cutting the legs off underneath the tread plate is required.
- If you are electronically locking or unlocking the gate, be aware of the various methods to accessing the electronic strike before installing. Details are provided later in this manual.
- Although the strike is field reversible, each gate comes pre-configured to lock or open upon power failure. We configure these gates based on how they were ordered. Manual gates will always need to have the strike configured as fail lock.
- It is **crucial** that the frame is installed squarely. The provided floor plate on the gate helps to ensure a square installation, but anchoring to unlevel concrete may throw this off.



Note: Failure to install the frame square can result in the gate failing to lock properly. Take advantage of the provided spacers and floor plate when core drilling to ensure proper installation.

Electrical Information for the HS336 Full Height ADA Gate

Should your facility require it, the HS336 can easily be integrated into access control systems. Each gate has a bracket on each side of the top which has conduit access. This bracket can also be utilized to bolt onto a Controlled Access full height turnstile as well (the conduit holes align on the mainframe of the turnstile as well as the bracket on the gate). Additionally, the 2" x 3" frame can be utilized from the floor to provide conduit access to the electronic strike. The diagram below calls out these convenient locations.



If utilizing the strike electronically, provide 24VDC voltage to unlock it. Depending on whether the strike fails locked or fails open, a normally open or normally closed relay contact is required. Strikes configured to fail lock require voltage to unlock, while fail open strikes require voltage to lock. The key or optional panic bar can always be used to override this and manually unlock the gate.

Installation Instructions for the HS336 Full Height ADA Gate

Preferred Installation Method

1. Review pre-installation tips, verify gate swing direction & layout holes to be drilled.
2. Core drill 4" diameter holes 40" on center, 6" deep.
3. Fill core drilled holes with fast set mortar, following the manufacturer's instructions.
4. Lift the gate vertically and slide the legs into core drilled holes.
5. Install ¼" flat head Tapcons™ into inner holes on the tread plate to secure the walk path.
6. Attach gate to turnstile or adjoining wall / structure utilizing mounting brackets on both sides of the gate.
7. Make electrical connections to the strike, if required.

Alternate Installation Method

1. Review pre-installation tips, verify gate swing direction & layout holes to be drilled.
2. Remove 2" x 3" x 6" legs from underside of floor plate with a band saw.
3. Utilizing the floor plate as a template, mark the outer holes for ½" concrete anchors
4. Drill ½" holes into the concrete pad for wedge type concrete anchors.
5. Install wedge type concrete anchors into ½" holes, following the manufacturer's directions for concrete anchor installation.
6. Place gate onto anchors.
7. Install nuts onto ½" anchors to ensure the gate is properly secured to the ground.
8. Install ¼" flat head Tapcons™ into inner holes on the tread plate to secure the walk path.
9. Attach gate to turnstile or adjoining wall / structure utilizing mounting brackets on both sides of the gate.
10. Make electrical connections to the strike, if required.

ELECTRIC STRIKES



ES-1

VOLTAGE

Available in 12, 16 or 24 volt AC and DC. DC and AC Continuous units are silent, AC intermittent units "buzz" on operation.

CURRENT DRAW/AMPS

Volts	AC Int.	DC or AC Cont.
12	1.42	.33
16	1.03	.22
24	.74	.17

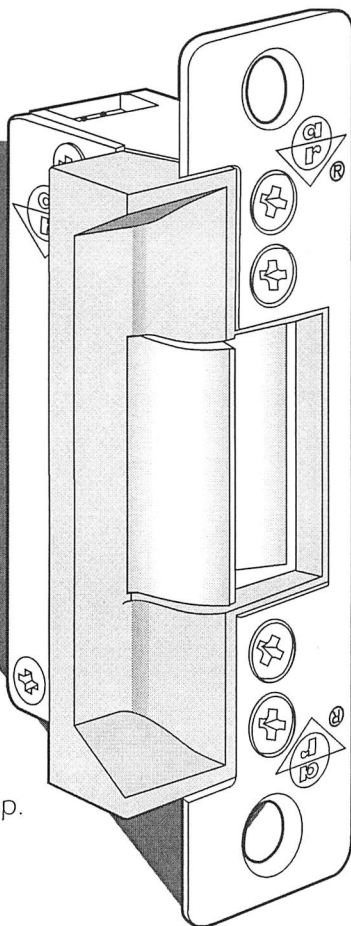
7100

Flat Faceplate for Aluminum Jambs

7101

Radiused Faceplate for Aluminum Stiles

*ANSI/BHMA Type EO9321 (Grade 1)
for Adams Rite or Cylindrical Latches*



PATENTED



**UL Listed for
Burglary Resistance**

▼ Case

Approx. 1" x 3-3/8" x 1-5/8" deep.
Zinc-aluminum alloy.

▼ Strike Lip

Basic 7100 strike has lip of proper length for 1-3/4" thick door that closes flush with jamb edge. Where door thickness or jamb shape differs from this standard relationship, extended lip available, specified by last dash number. (Not available on 7101.)

▼ Fail Safe/Fail Secure

Field convertible from one mode to the other. However, AC intermittent solenoid must not be used continuously in either.

▼ Strike Opening

5/8" x 1-7/16" x 1/2" deep. Bolt retainer jaw is stainless steel. Strike accepts bolt of any Adams Rite 4700 Series deadlatch or cylindrical latches shown with model 7140. See 7160 and 7170 strikes for use with other make mortise latches.

▼ Faceplate

Measures 1-1/4" x 4-7/8". 7100 has flat faceplate; 7101 is radiused to match nose on inactive leaf in a pair of narrow stile glass doors. Available in a wide range of architectural finishes.

▼ Function

Remote electrical control of any door equipped with an Adams Rite Series 4500 or 4700 (or similar) deadlatch or "key-in-knob" sets. Electrical actuation unlocks strike jaw, releasing latchbolt so door can be opened without operating latch itself. Extremely compact mechanism fits into aluminum jamb (or opposing door) sections as shallow as 1-5/8". Fits prep for 7500/7800/7000 Series.



ADAMS RITE
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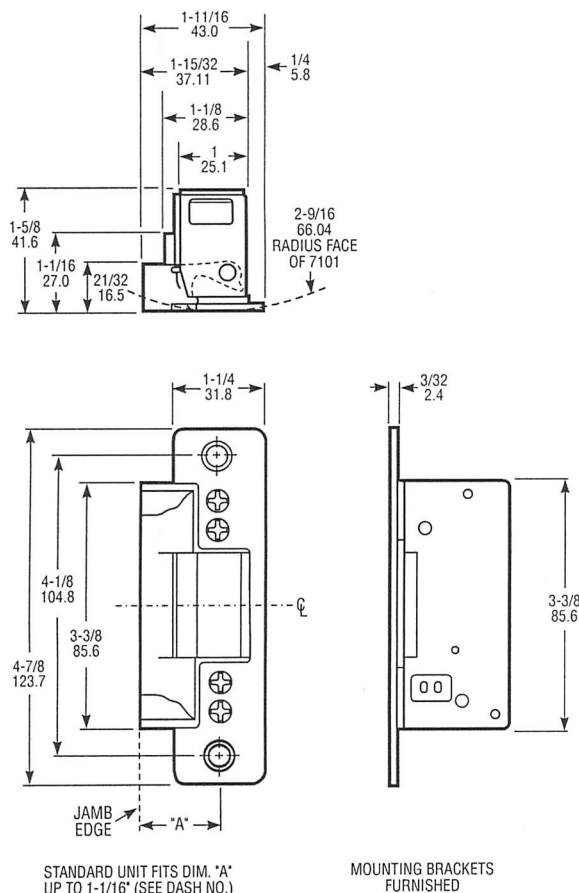


7100, 7101 Electric Strike

DIMENSIONS

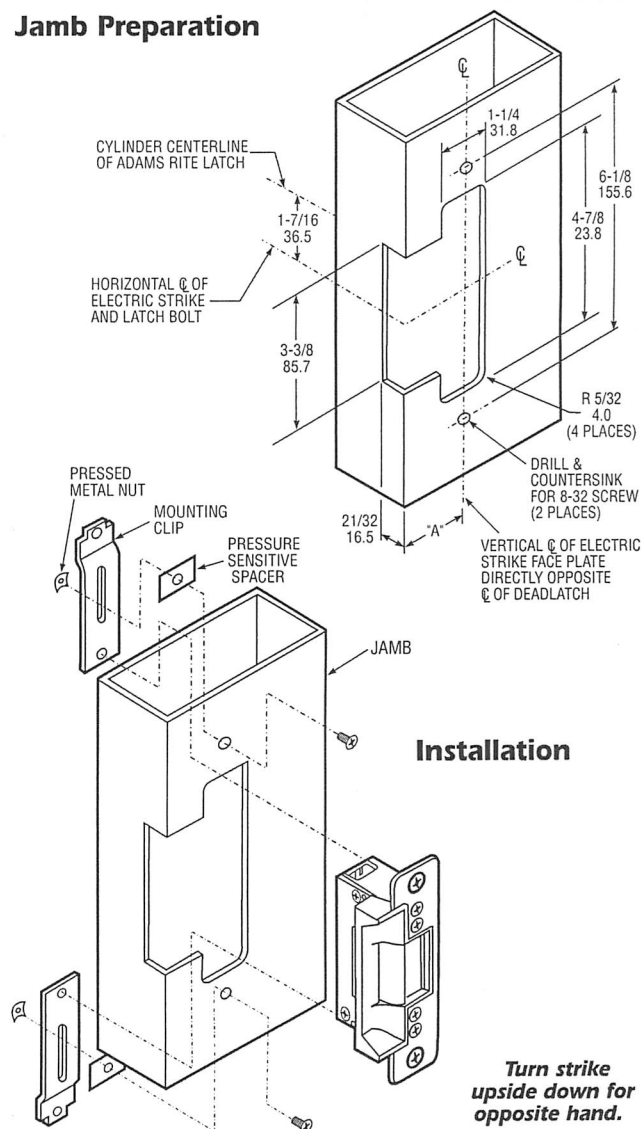
INCHES
MILLIMETERS

Nominal, subject to tolerance extremes.



INSTALLATION

Jamb Preparation



HOW TO ORDER

Specify quantity and the following information.
Order 4603 Rectifier and/or 4605 or 4606 Transformer separately.
(4603 included with AC Cont.)

Specify Model	Voltage	Current & Duty	Features**
7100 Flat	3 12 Volt	1 DC Continuous or Intermittent	0 Std/Fail-Secure
7101 Radius	4 16 Volt	2 AC Continuous*	5 Fail-Safe
	5 24 Volt	4 AC Intermittent	7 Monitor/Fail-Safe
			9 Monitor/Fail-Secure

7100-315-605-00

*A DC strike with rectifier attached for use on AC current.

**Fail-secure can be field converted to fail-safe or vice-versa.

***7101 available in 628, 313, 335 only.

Finish***

628	Clear Anodized
605	Bright Brass
612	Satin Bronze
613	Oil Rubbed Bronze
313	Dark Bronze Anod.
335	Black Anodized
625	Bright Chrome
626	Satin Chrome

7100 Lip Extension (Dim. "A") (Door Centerline to Jamb Edge)

00	1.06" or less	07	2.25"
01	1.50"	08	2.38"
02	1.63"	09	2.50"
03	1.75"	10	2.63"
04	1.88"	11	2.75"
05	2.00"	12	2.88"
06	2.13"	13	3.00"

STANDARD PACKAGE

Individually boxed with mounting screws, mounting brackets and adhesive shims to accommodate jamb or stile extrusion thickness greater or less than nominal 1/8 inch.

OPTIONS

Available with two monitoring signal switches which sense whether latch bolt is in strike and whether strike jaw is blocked. Choice of voltage in AC and DC for intermittent or continuous duty. Series 7100 (flat) available with extended strike lip (see chart). Specify assembled for either fail-secure (locked when unpowered) or fail-safe (locked when powered) operation, but can be field-converted to the other mode.

4603 Rectifier - Converts AC to DC, installs in low voltage line between transformer and strike. Rated 2 amps. (200 PIV).

4605 Transformer - Converts 120VAC to 24VAC. Rated 40 Volt-amp output assures plenty of power for strike release. Patented mounting bracket fits in knockout hole of standard junction boxes.

4606 Transformer - Plug-in version for standard wall outlet.

See separate specification sheet for more information on Strike options.

Changing From Fail-Safe to Fail-Secure & Vice-Versa:

- 1) Remove faceplate, subcover (2), & cover (1)
- 2) Remove latch (7), blocking arm (6), blocking arm return spring (16), & retainer plate (15)

Changing From Fail-Secure to Fail-Safe:

- 1) With bolt facing you remove solenoid (3), plunger (4), & shuttle return spring (5).
- 2) Place shuttle return spring (5) on left-hand side of shuttle (17). Place solenoid and plunger facing the side opposite of shuttle return spring into groove on the shuttle. (See page three for diagram)
- 3) Place retainer plate on top of solenoid and place latch, blocking arm & blocking arm return spring in original position.

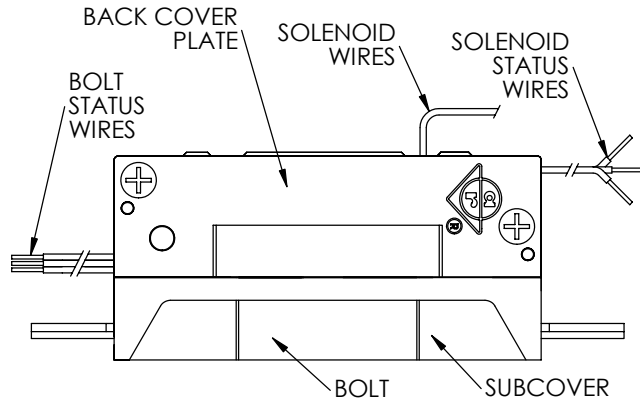
Note: Fail-safe must be continuous duty only.

Changing from Fail-safe to Fail-secure:

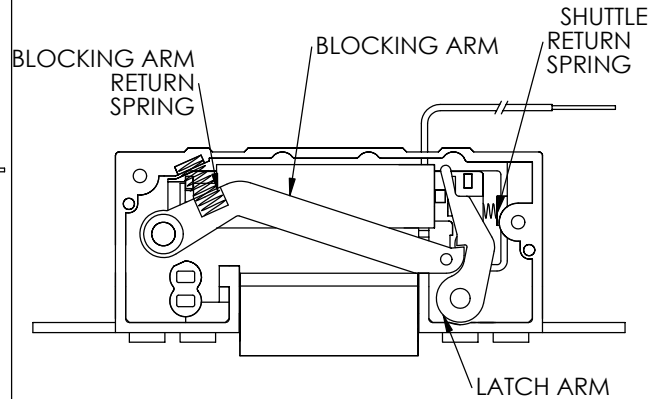
- 1) With bolt facing you remove solenoid (3), plunger (4) & shuttle return spring (5).
- 2) Place shuttle return spring (5) on right hand side of shuttle (17). Place solenoid and plunger facing the side opposite of shuttle return spring into groove on shuttle. (See page three for diagram)
- 3) Place retainer plate on top of solenoid and place latch, blocking arm & blocking arm return spring in original position.

Faceplate, subcover & cover can now be added to close strike.

WIRE CODING FOR MONITORED VERSION

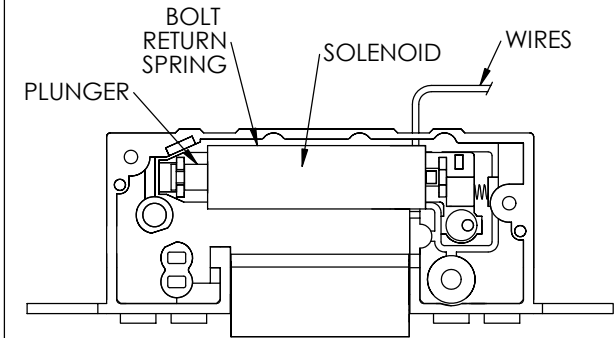


STEP 1



STEP 2

FAIL SECURE



MONITOR WIRING
NC: RED
NO: WHITE
COMMON: BLACK

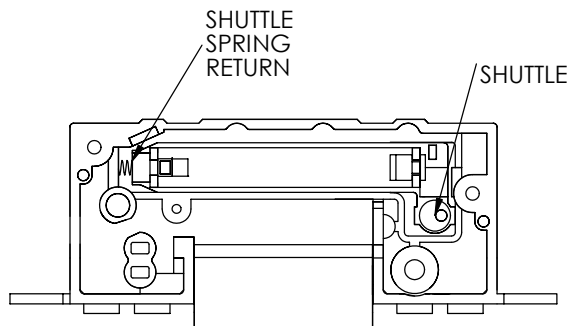
POWER INPUT WIRING
12VAC: YELLOW/BLACK
12VDC, 24VAC: RED/BLACK
24VDC: WHITE/BLACK

REMOVE SUBCOVER (ONE SCREW)
REMOVE BACK COVER PLATE (TWO SCREWS)
CAREFULLY REMOVE BLOCKING ARM SPRING
REMOVE BLOCKING ARM AND LATCH ARM

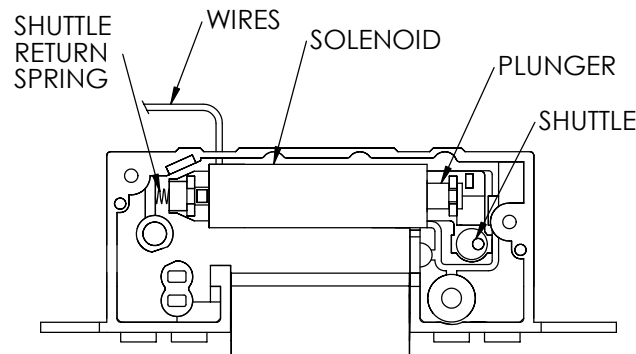
REMOVE SOLENOID

STEP 3

FAIL SAFE

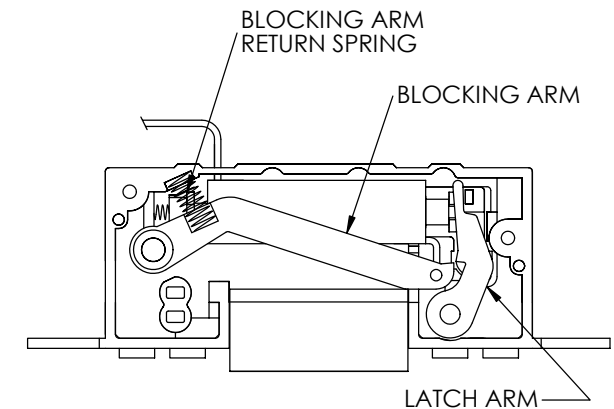


STEP 4



REVERSE SOLENOID AND REPLACE, ENSURING
CORRECT PLACEMENT AND ALIGNMENT. WITH THE
SOLENOID SEATED PROPERLY THE SHUTTLE SHOULD
MOVE FREELY.

STEP 5



REPLACE LATCH ARM AND BLOCKING ARM (WITH SPRING)
REPLACE BACK COVER PLATE
REPLACE SUBCOVER
* TEST PRIOR TO INSTALLATION*



**ADAMS RITE
MANUFACTURING CO.**

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7100 EL-STRIKE FIELD CONVERSION

80-0180-472

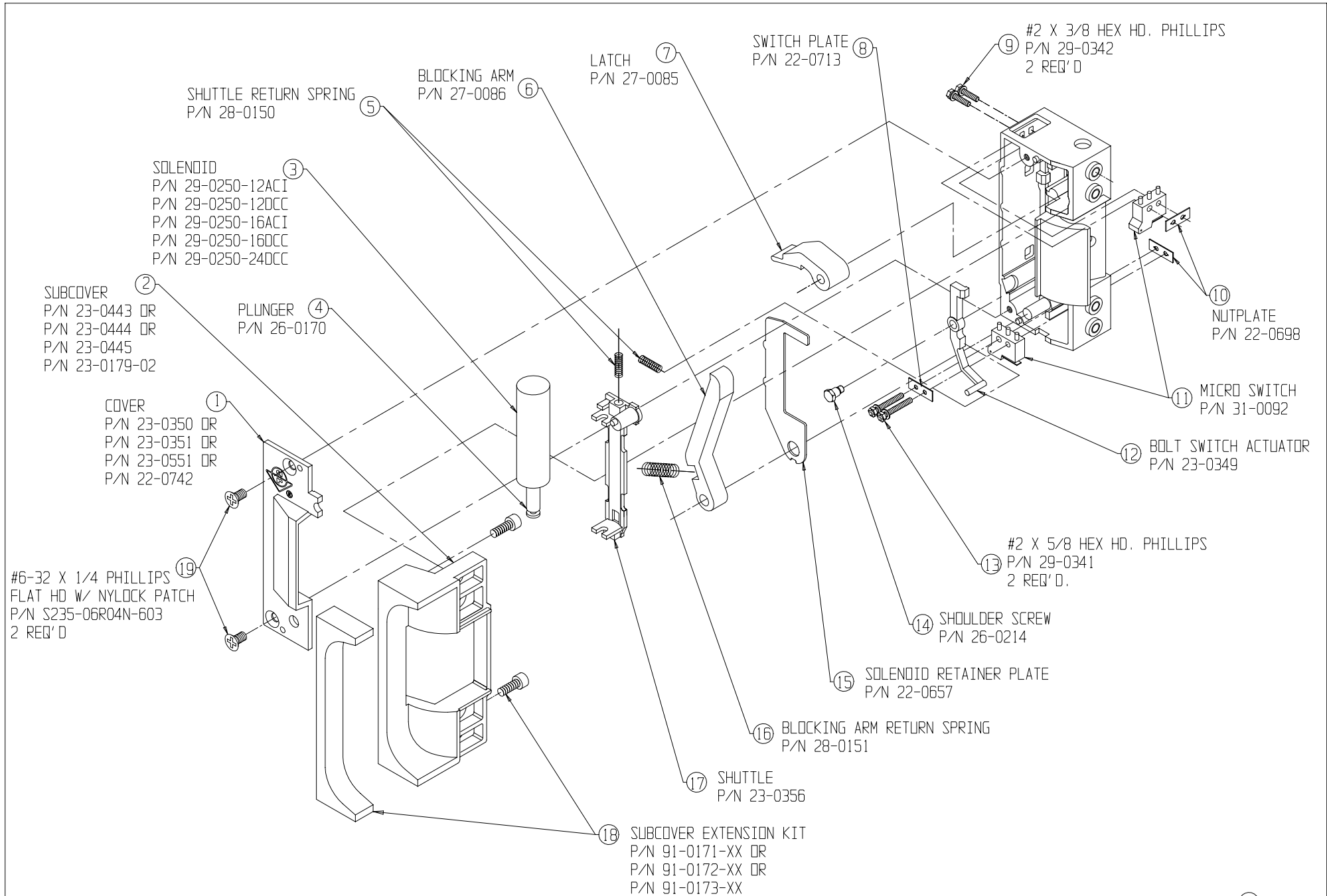
Rev. A

ECN: 10605

Page 1 of 1

Date: 10/22/2003

Apprvd:



50-7100 © 02/98



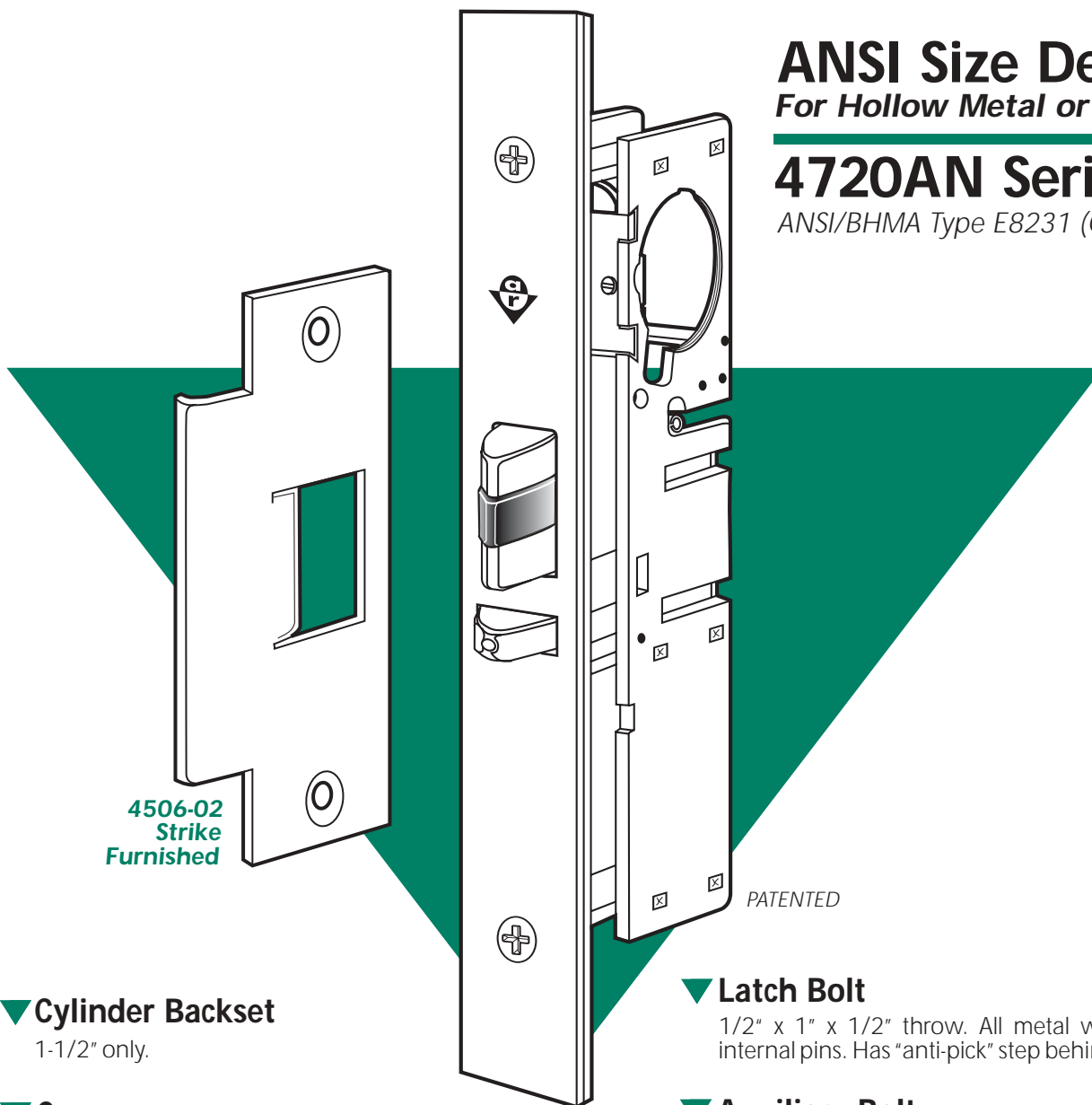
ADAMS RITE MANUFACTURING COMPANY
260 SANTA FE ST.
POMONA, CA 91767
OFFICE: (909) 632-2300 FAX: (909) 632-2369

7100 SERIES ELECTRIC STRIKE

ANSI Size Deadlatch For Hollow Metal or Wood Doors

4720AN Series

ANSI/BHMA Type E8231 (Grade 1)



4506-02
Strike
Furnished

PATENTED

▼ Cylinder Backset

1-1/2" only.

▼ Case

Steel with corrosion-resistant plating.
1" x 5-13/16" x 2-5/32".

▼ Function

For hollow metal or wood doors prepared for hardware according to the specifications of the American National Standards Institute, the 4720AN Deadlatches provide precise traffic control. A key-controlled bolt hold-back feature allows a door to be free-swinging part of the day and exit-only when the bolt is free to latch. This allows a "locked" entrance to be used as an exit by customers or visitors already in the building. Interchangeable, without stile or jamb modification, with any MS1850SN Deadbolt of same faceplate shape. Replaces 4520ANSI Deadlatch.

▼ Latch Bolt

1/2" x 1" x 1/2" throw. All metal with hardened steel internal pins. Has "anti-pick" step behind mounting face.

▼ Auxiliary Bolt

All metal with hardened steel pin. Deadlocks latch bolt to prevent "loiding" or case-knife entry.

▼ Strikes

Stainless steel, US32D Satin finish (630). Furnished to ANSI preparation specifications for flat jamb. (See also page SW-26 and Electric Strike section.)

▼ Operation

Turn key or operate handle to retract spring-loaded latch bolt. To hold bolt retracted, push it in and secure by reverse turn of key (see back page). Uses any standard mortise cylinder with MS® cam (see page SW-28).



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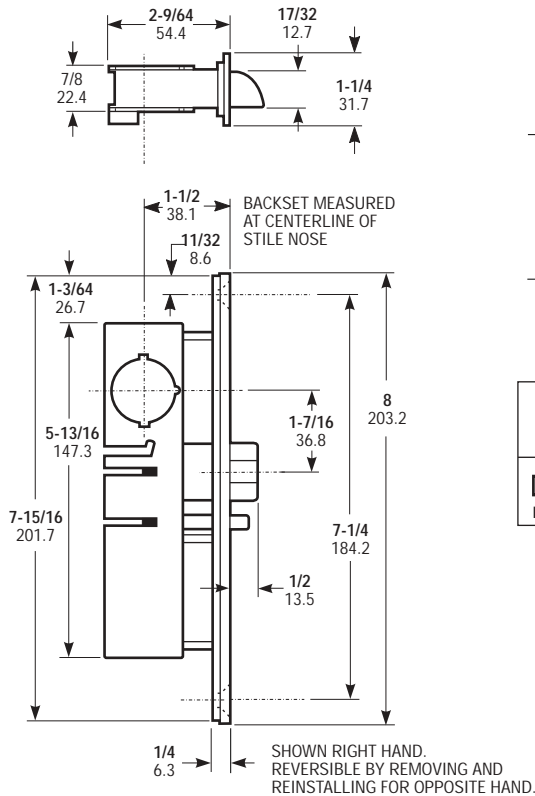
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4720AN Series Deadlatch

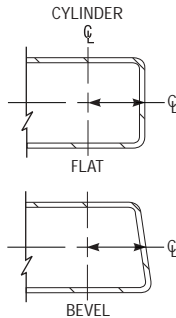
DIMENSIONS

INCHES
MILLIMETERS

Nominal, subject to tolerance extremes.



HOW BACKSET
IS MEASURED:

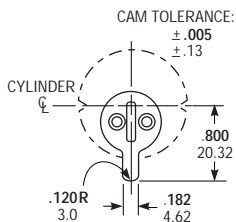


**ARMORED
FACEPLATE**
1-1/4" x 8"

FLAT 4720AN

Cylinder Cam

4720AN Series Deadlatches are operable by any standard 1-5/32" diameter mortise cylinder with special MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See page SW-28 for cylinder make and trim information.



HOW TO ORDER

Specify quantity and the following information.
Order related hardware separately.

Door Nose Shape

0AN Flat
2AN Bevel

Handing

05 LH or RHR
06 RH or LHR

Strike

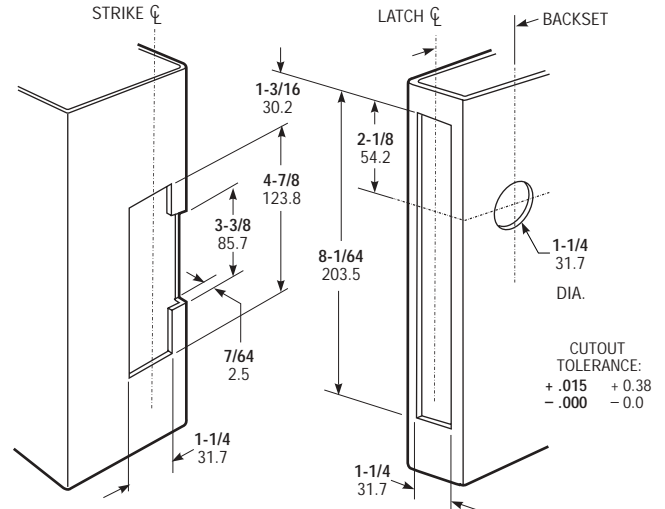
602 4506
000 Less Strike

4720AN06-602-313

Finish

628 Clear Anodized
612 Satin Bronze
313 Dark Bronze Anod.
335 Black Anodized

INSTALLATION

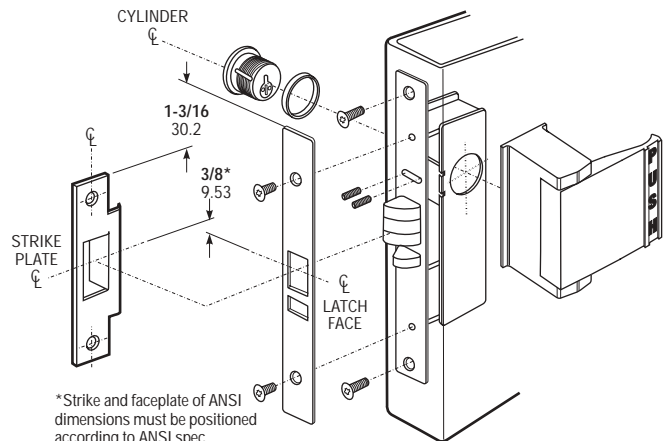


CUTOUT
TOLERANCE:
+ .015 + 0.38
- .000 - 0.0

Jamb Preparation

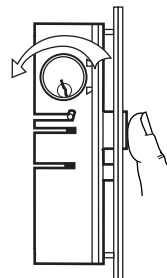
Door Preparation

Identical to MS1850SN Series
(See also prep for 4590 Paddle)



*Strike and faceplate of ANSI dimensions must be positioned according to ANSI spec.

Latch, Paddle & Cylinder Installation



Bolt Holdback

A reverse turn of the key (while bolt is held fully retracted) retains the bolt, allowing the door to be free swinging.

OPTIONS

Door Nose Shape, Finish, Strike and Handing must be specified when ordering. For Handles, see page SW-25 & 26. For Paddles, see page SW-27.

STANDARD PACKAGE

Individually boxed with strike and machine screws for mounting. Cylinders, paddle or handle available at extra cost. Shipping weight: 1-1/4 lbs. Also available in a 20 unit pack for volume users.

Norton®

Tri-Style 1600 Series

Non Handed Door Closer

Installation Instructions

80-9316-2502-020 (12-02)

Non Hold Open Models

Sized
(Sizes 2,3,4,5,6)

Adjustable
(Sizes 3 thru 6)

Weaker
↓
Stronger
+

1602BC
1603BC
1604BC
1605BC
1606BC

1601
(Sizes 1 thru 4)
1601BF



CAUTION
An Incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

Official Supplier

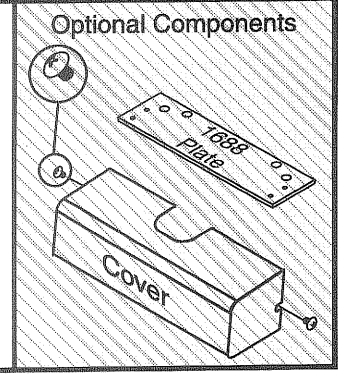
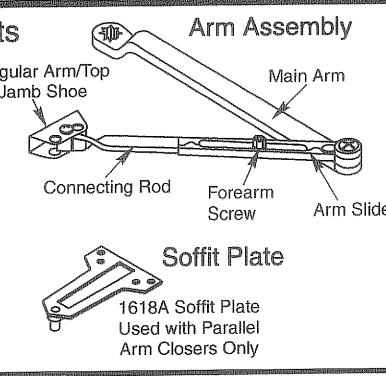
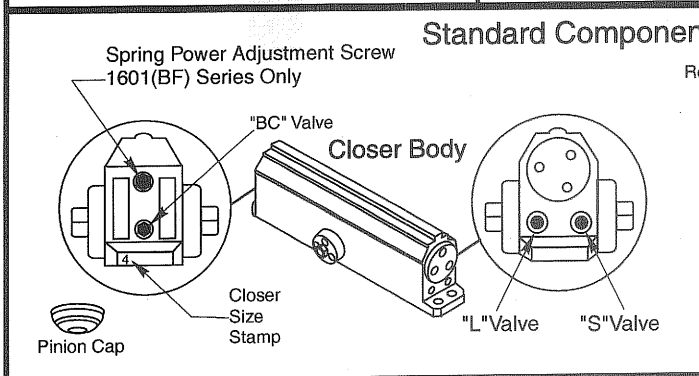
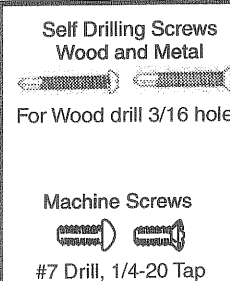
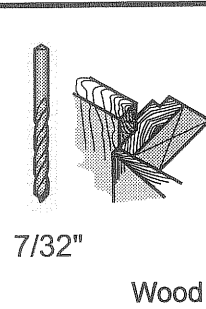
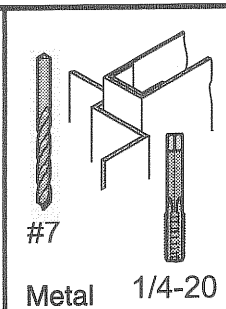
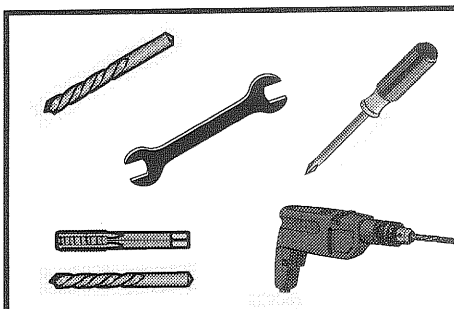
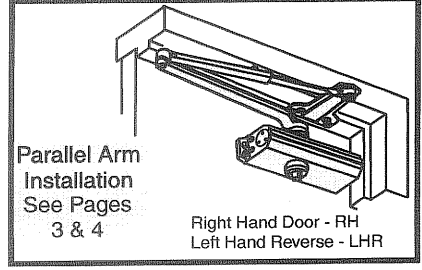
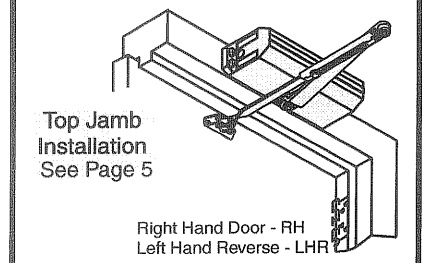
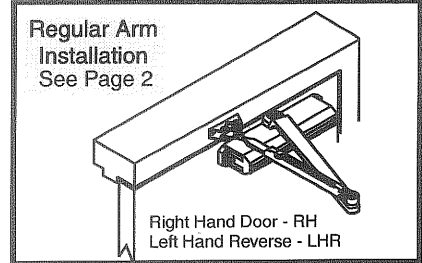
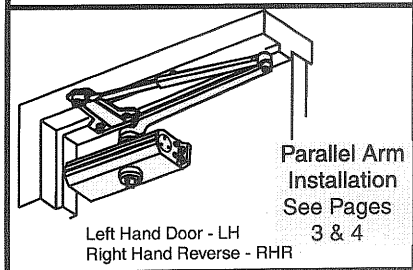
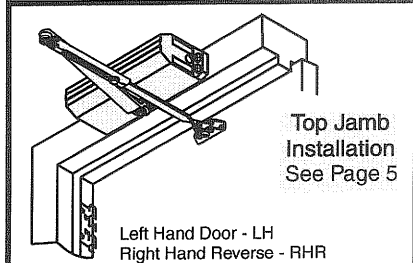
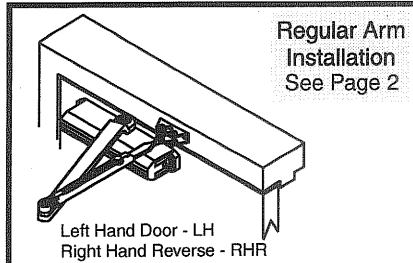


"DA" suffix (Delayed Action) is an optional feature. A separate sheet is supplied showing closer adjustments.

NOTE: For special applications a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.

- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°.

- These door closers should NOT be installed on the exposed side (weather side) of exterior doors.

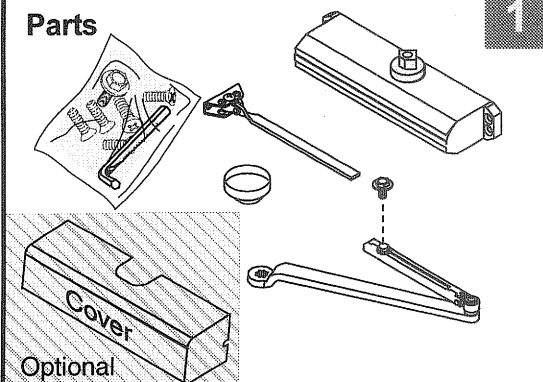


1600 Series

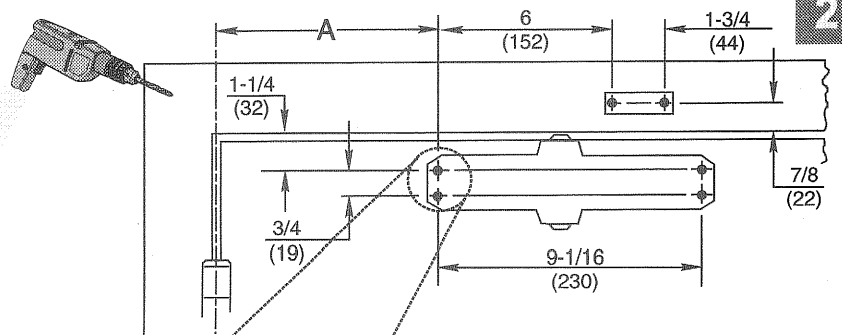
Non Hold Open Door Closers — Regular Arm

80-9316-2502-020 (12-02)

Parts



1

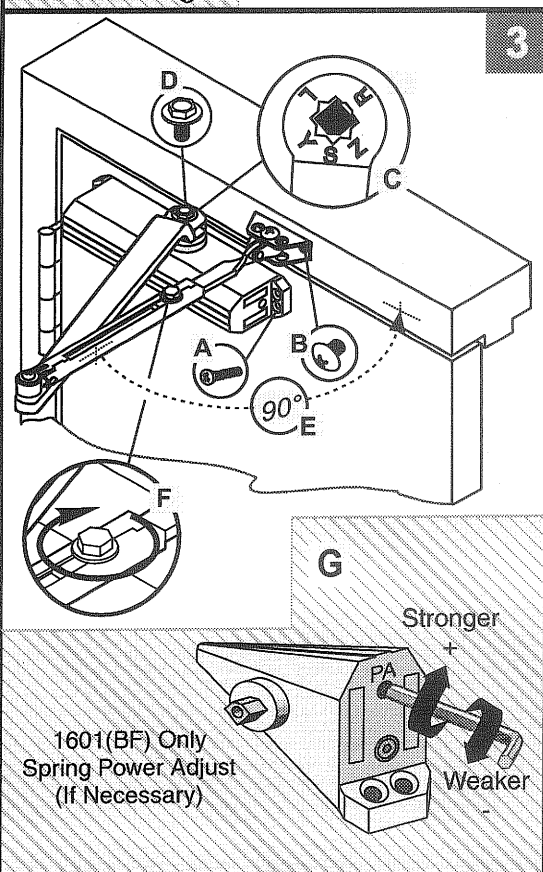


2

Right Hand Shown

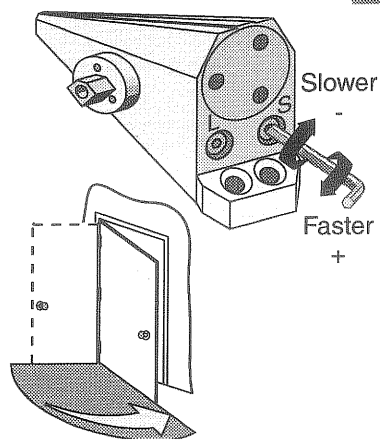
Opening	Dimension "A"	Inches (mm)
To 100°	$\frac{7}{(178)}$	
101° to 120°	$\frac{6}{(152)}$	
* 121° to 180°	$\frac{3-1/2}{(89)}$	

* Door/Wall/Hardware/Jamb conditions permitting



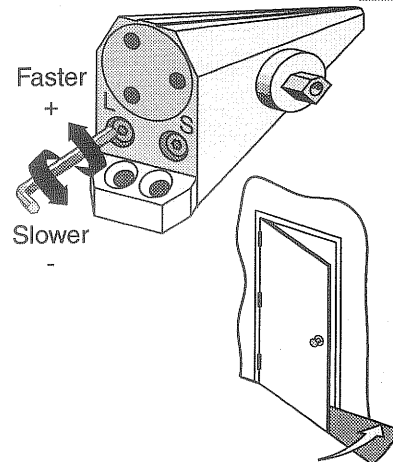
3

Sweep



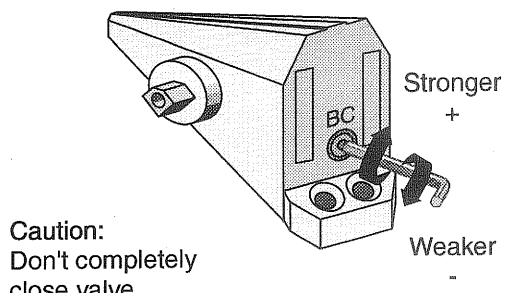
4

Latch



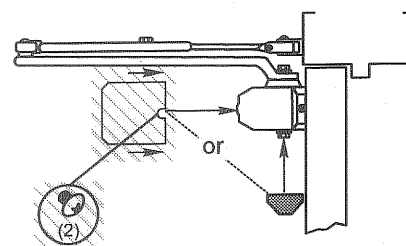
5

Backcheck



6

Pinion Cap or Optional Cover



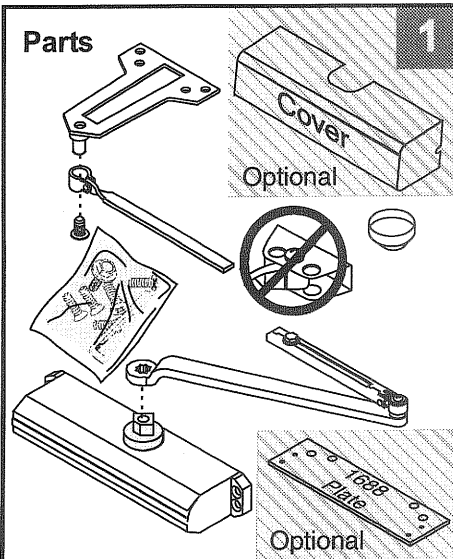
7

Screw pinion cap onto pinion shaft by hand or with a Phillips screw driver - DO NOT OVER TIGHTEN.

1600 Series

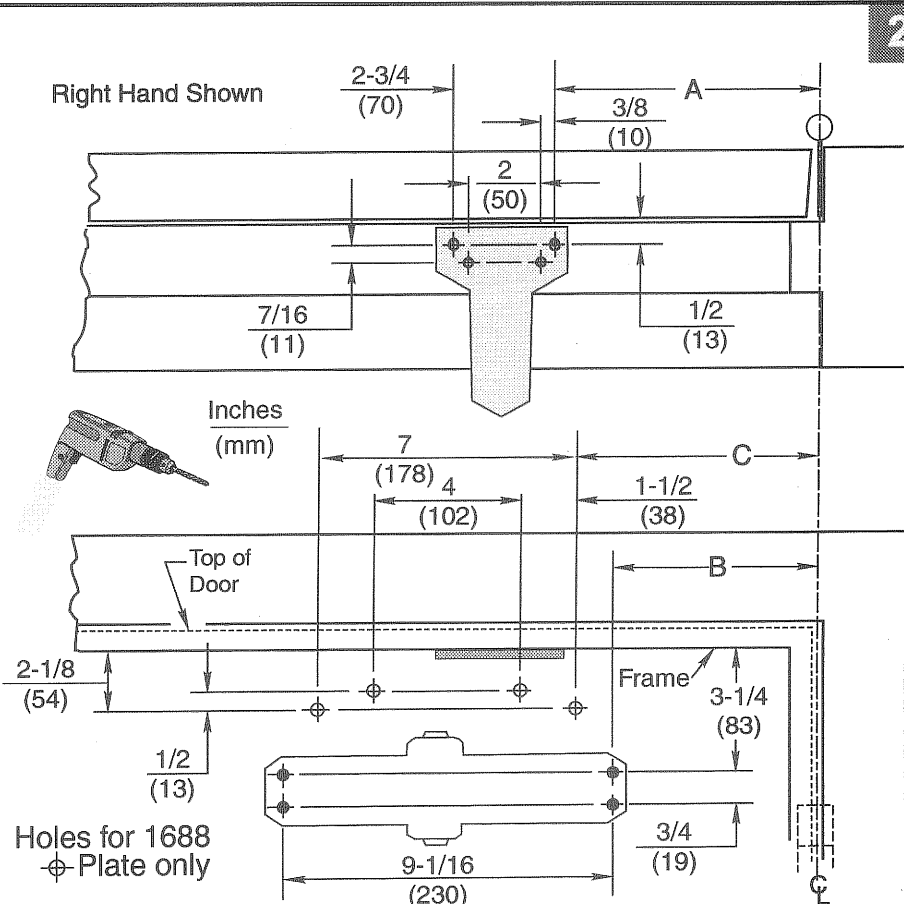
Non Hold Open Door Closers — Parallel Arm

80-9316-2502-020 (12-02)

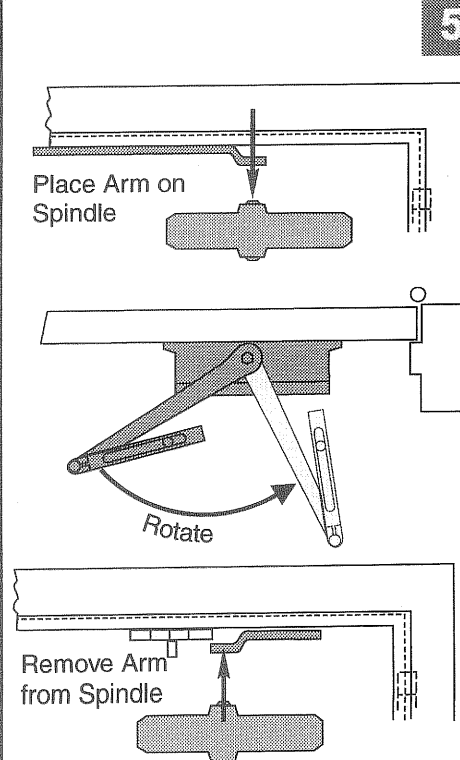
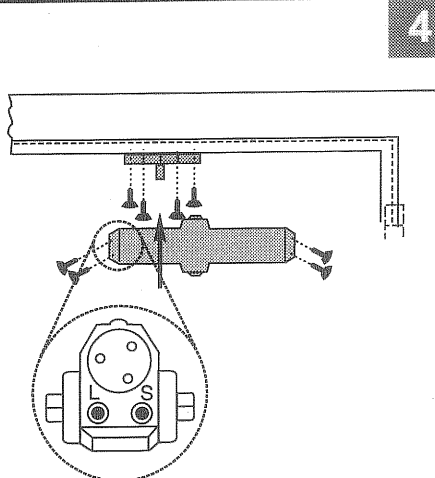
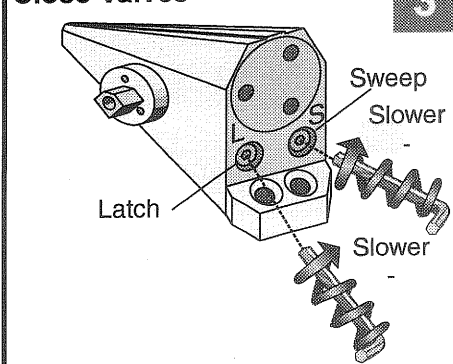


Door Opening	A	B	C
To 100°	9-1/4 (235)	7-5/8 (194)	8-5/8 (219)
101° to 130°	7-3/4 (197)	6-1/8 (156)	7-1/8 (181)
* 131° to 180°	5-3/4 (146)	4-1/8 (105)	5-1/8 (130)

* Door/Wall/Hardware/Jamb conditions permitting



Close Valves

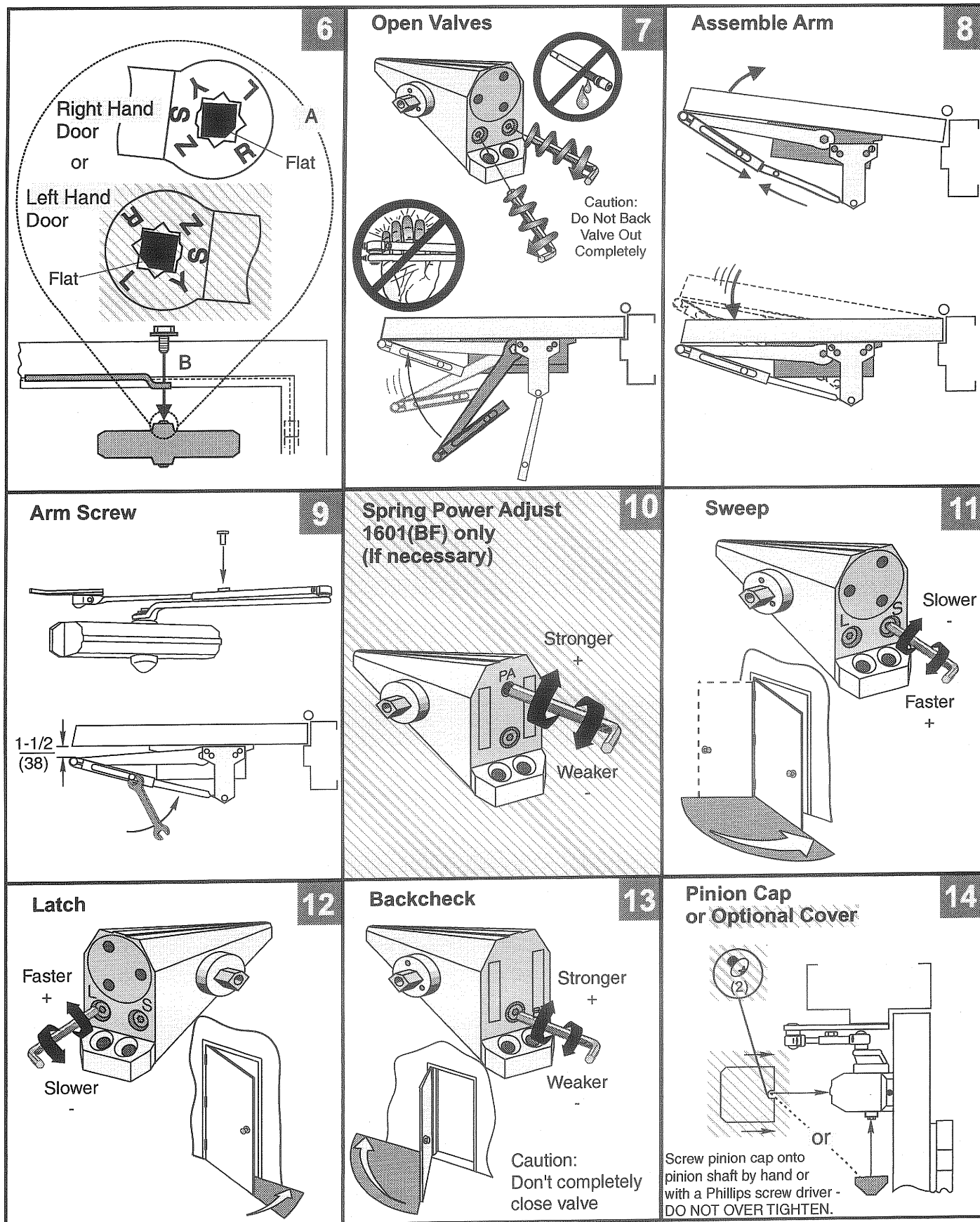


See Step 6 on Page 4

1600 Series

Non Hold Open Door Closers — Parallel Arm

80-9316-2502-020 (12-02)

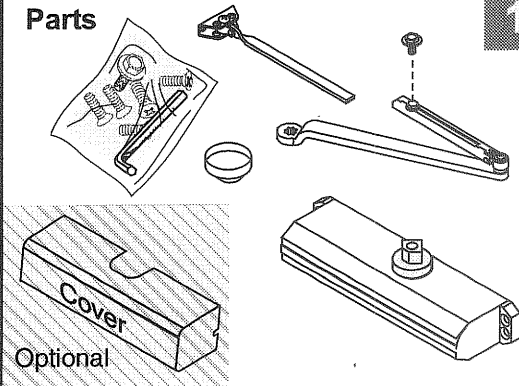


1600 Series

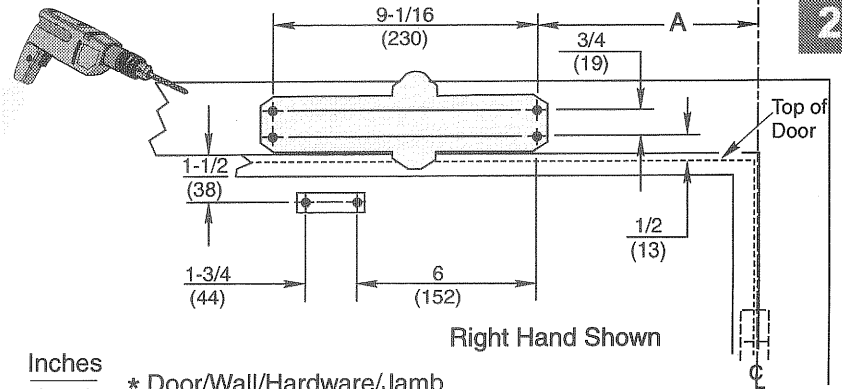
Non Hold Open Door Closers — Top Jamb Arm

80-9316-2502-020 (12-02)

Parts



1



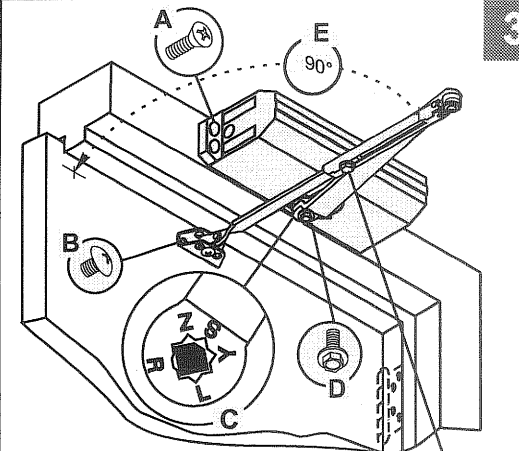
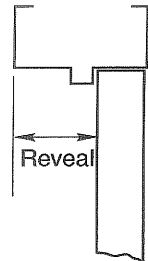
2

Inches
(mm)

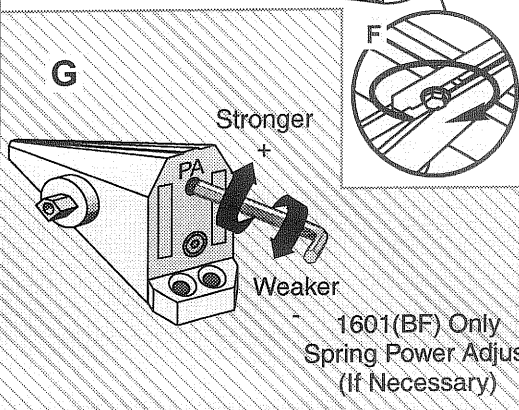
* Door/Wall/Hardware/Jamb
conditions permitting

Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)

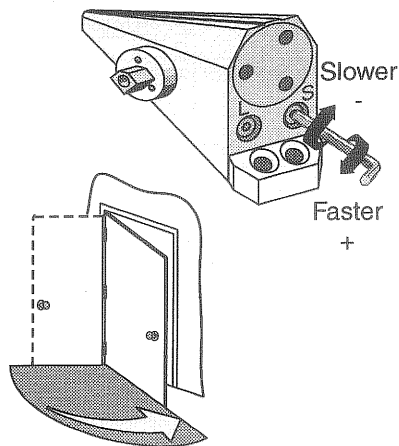
A longer connecting
rod is required
for reveals greater
than 3" (76)



3

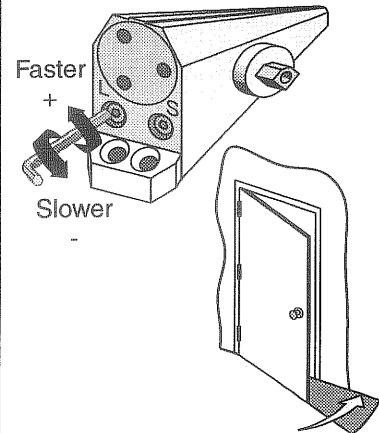


Sweep



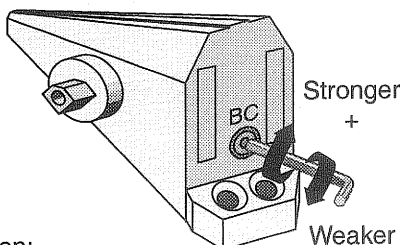
4

Latch

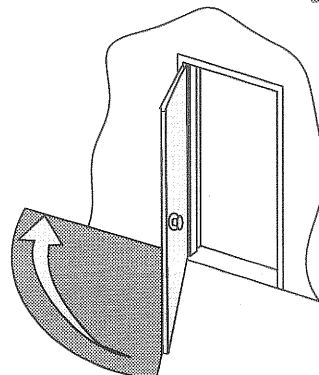


5

Backcheck

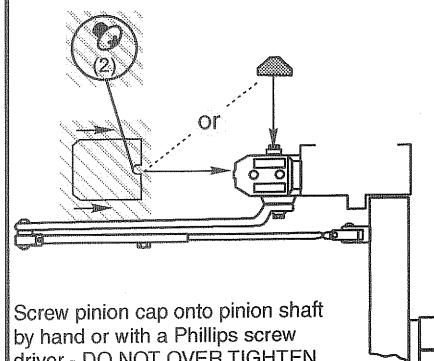


Caution:
Don't completely
close valve



6

Pinion Cap or Optional Cover

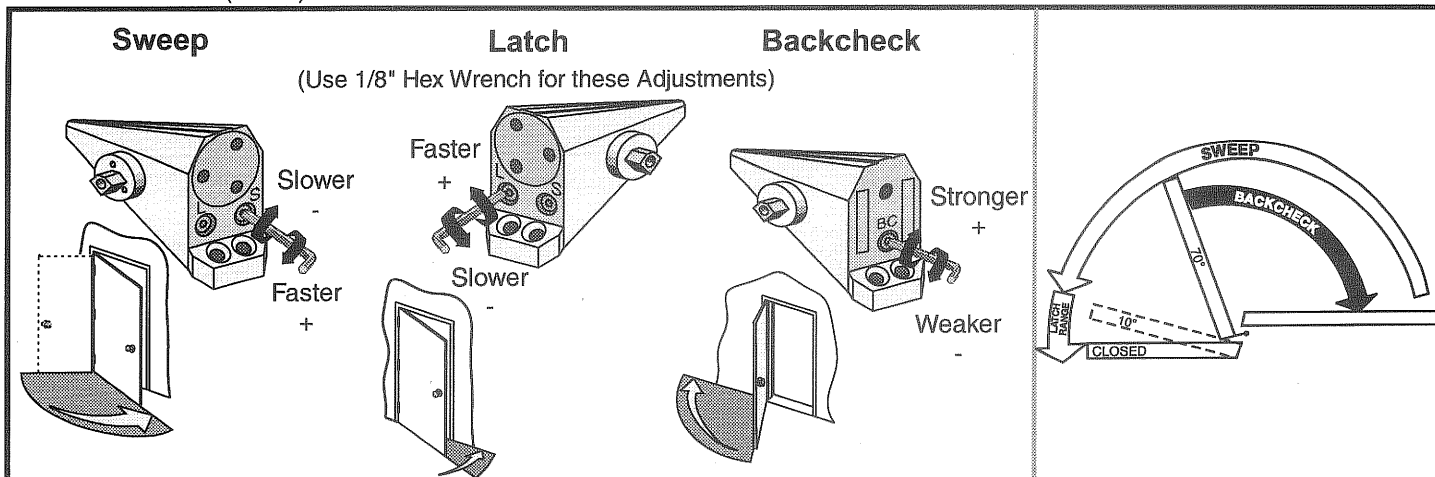


7

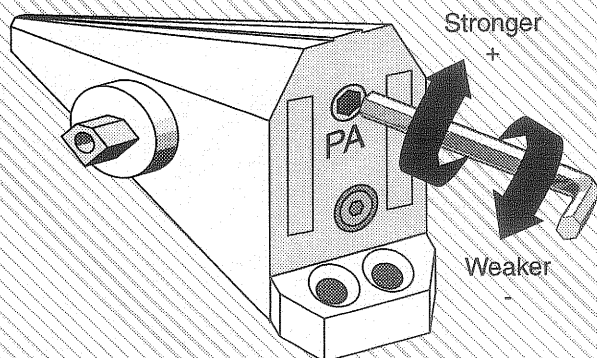
1600 Series Adjustments Page

80-9316-2502-020 (12-02)

Norton Door Controls
An ASSA ABLOY Group Co.
1902 Airport Road, Monroe, NC
Telephone: (800)-438-1951; Fax: (800)-338-0965
www.nortondoorcontrols.com



Spring Power Adjust 1601 (BF) only



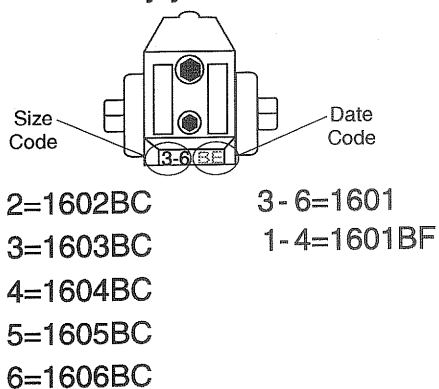
(Use 1/8" Hex Wrench for this Adjustment)

Adjustment Chart				Number of Turns Required MAXIMUM DOOR SIZE				
	DOOR	TYPE OF INST.	*	34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)
1601BF	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS OF 1/8" POWER ADJUSTMENT WRENCH	1	1	2	3	3
		Parallel Arm		2	2	3	4	5
	EXTERIOR	Regular Arm Top Jamb		5	6	8	NOT RECOMMENDED USE 1601	
		Parallel Arm		8	9	12		
1601	INTERIOR	Regular Arm Top Jamb	FULL 360° TURNS OF 1/8" POWER ADJUSTMENT WRENCH	2	4	6	9	11
		Parallel Arm		3	5	7	10	13
	EXTERIOR	Regular Arm Top Jamb		3	5	7	10	13
		Parallel Arm		5	7	10	14	16

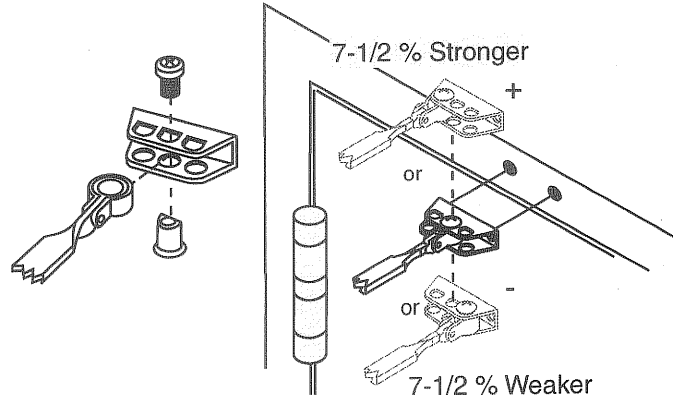
*18 FULL (360°) TURNS MAXIMUM AVAILABLE

 = 8 Turns As Shipped

To identify your model:



Arm Placement in Shoe





**The Leader in Pedestrian Control Systems
Waist & Full Height Turnstiles and Matching Gates**

Warranty Information

Seller warrants the goods against defective workmanship and materials provided that Buyer notify Seller within one (1) year after receipt by Buyer of the goods of any claim under this Warranty. The liability of Seller shall be limited to replacing or repairing defective goods returned by Buyer and delivered to the factory of the Seller, transportation charges prepaid.

Replaced or repaired goods will be redelivered freight repaid to the address of Buyer shown hereon. Except for the Warranty contained herein, there shall be no other warranties, such as warranties of fitness and merchantability or otherwise express or implied, written or verbal, and Seller shall not be liable for consequential damages in any event.